

UNITED STATES N.M. OIL CONS. COM. DIVISION
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

FORM APPROVED
Budget Bureau No. 1001-0133
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
NM 0175774

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Shackelford Oil Company

3. Address and Telephone No.

310 W. Illinois, Suite 328 Midland, TX 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 660' FWL Section 21, T-19-S, R-32-E

8. Well Name and No.

Lynch #1

9. API Well No.

10. Field and Pool, or Exploratory Area

Lusk Yates, East

11. County or Parish, State

Lea, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Re-entry

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Proposed to re-enter well and re-complete in Yates and Seven Rivers

See Attached Exhibit

20595
17650
41750
10/6/95
30-025-00914

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

14. I hereby certify that the foregoing is true and correct

Signed

Title

Date

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See instruction on Reverse Side

District I
PO Box 1900, Hobbs, NM 88241-1900
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number		1 Pool Code		1 Pool Name Lusk Yates, East			
1 Property Code		1 Property Name LYNCH FEDERAL				1 Well Number #1	
1 OGRID No. 020595		1 Operator Name SHACKELFORD OIL COMPANY				1 Elevation 3578	

10 Surface Location

11. or lot no. M	Section 21	Township 19S.	Range 32E.	Lot Idn	Feet from the 660	North/South Line SOUTH	Feet from the 660	East/West Line WEST	County LEA
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11 Bottom Hole Location If Different From Surface

11. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
12 Dedicate Acres 40		13 Joint or In/Full N		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature W. L. Shackelford Printed Name W. L. Shackelford Title Agent Date May 10, 1995			
SECTION 21, T. 19S., R. 32E., N.M.P.M.				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 4/25/95 Date of Survey Signature and Seal of Professional Land Surveyor: TERRY D. RAINS, JR. STATE OF NEW MEXICO 12816 Certificate Number PROFESSIONAL LAND SURVEYOR			
660'							

- C. The vegetation cover at the wellsite is moderately sparse, with mesquite, grasses, yucca, scrub oak, and weeds.
- D. No wildlife was observed but it is likely that rabbits, lizards, insects, and rodents traverse the area. The area is used for cattle grazing.
- E. There are no ponds, lakes, streams, or rivers within several miles of the wellsite.
- F. The wellsite is located on federal surface.
- G. There is no evidence of any archaeological, historical, or cultural sites in the vicinity of the location.

12. OPERATOR'S REPRESENTATIVES.

- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

Don Shackelford
310 W. Illinois, Ste. 328
Midland, Texas 79701
Phone: 915-682-9784

W. L. Shackelford
512 New Mexico Drive
Roswell, NM 88201
Phone: 505-622-5902

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Shackelford Oil Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9/6/95
Date

Don Shackelford
Title: Owner

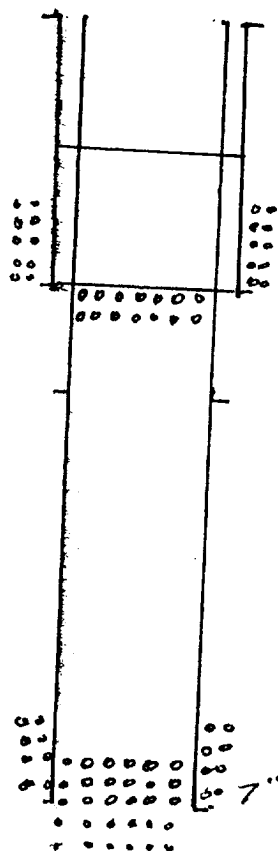
APPLICATION TO RE-ENTER AND DRILL

In conjunction with Form 3160-5, Sundry Notice, Shackelford Oil Co. submits the subject well in accordance with Bureau of Land Management requirements.

1. The geologic surface formation is cretaceous.
2. The estimated tops of geologic markers are:
 1. Anhydrite 830'
 2. Tansill 2375'
 3. Yates 2566'
 4. Seven Rivers 2762'
3. The estimated depths at which water, oil, or gas-bearing formation are expected:
Water: 300 feet
Oil & Gas: 2566 - 2762' Yates and Seven Rivers
4. Existing Casing SJS
8-5/8" ~~22~~# 486' to 925' Top 486' pulled
7" ~~17~~# 1379' to 2725'
5. Cement and Cast Iron Bridge Plug
 - A. Set cement plug from 2675' to 2725'
 - B. Set 10 sack cmt plug at ± 925' on CIBP
 - C. Set 10 sack cmt plug at surface
6. Pressure control equipment: Blowout preventer.
7. Mud Program: ~~Brine~~ Fresh Water 0-2762'
8. No abnormal pressures are expected.
9. Testing, Logging, and Coring Programs
Wireline logging program: Gama Ray with compensated neutron.
10. Anticipated starting date: October 1995.

Well Bore Schematic of Lynch #1

LOCATED 660' FSL AND 660' FWL SEC. 21 T19S R32E



10 SIC. plug at 925'

Cut 8 5/8" casing at 486'

8 5/8" casing 225' w/ 50 SX

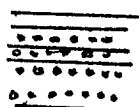
Cut 7" casing from 1379'

Cement plug 2675' - 2725'

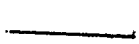
7" casing 17# 50SX 2695'



Original TD @ 2751' 1/21/42

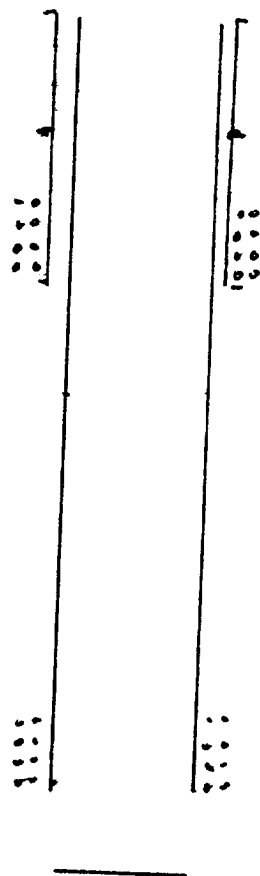


2886' - 2907' DEEPEN to 2816' 5/25/46
 { GRAVEL to 2972; Calseal plug 2955-2972, Gravel to 2907'
 WOOD BRIDGE @ 3218 9/17/46
 Calseal plug 2886' - 2907'



DEEPEN to 3817' 9/17/46

Well Bore Schematic of Lynch #1 (Proposed after Reentry)
Located 660' FSL AND 660' FWL SEC. 21. T19S R32E



8 5/8" casing from 486' to 925'

Tie back 7" casing at 1379'

Cemented w/ 50 SK of cement
Base of Casing 2695'

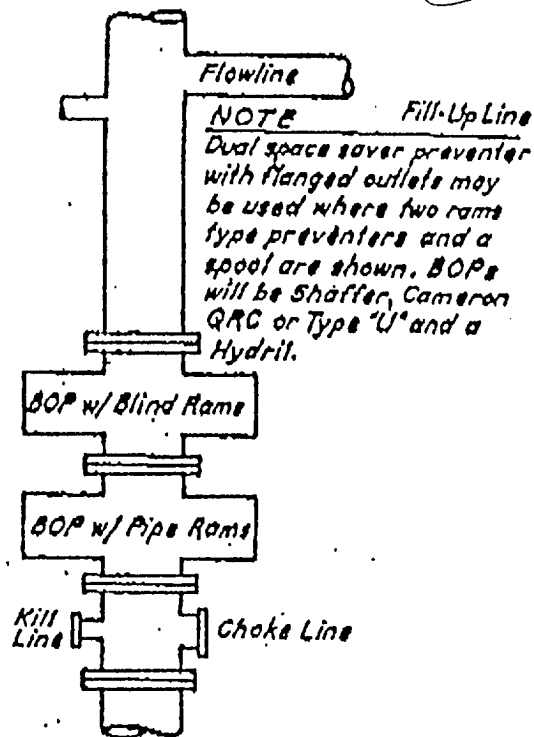
Open Hole 2695-2751'

Proposed Procedures Lynch 4

1. GIH w/ $7\frac{7}{8}$ " bit drill out plug at 925'.
2. Clean out hole to top of 7" at 1379'.
3. POOH w/ $7\frac{7}{8}$ " bit. GIH w/ mill AND mill top of 7" casing.
4. POOH w/ mill. GIH w/ $6\frac{1}{2}$ " bit to drill out plug at 2675' - 2725' AND clean out to 2751'.
5. POOH w/ bit. GIH w/ 7" casing AND pack off to tie back to 7" casing.
6. Test open hole producing zone Seven Rivers at 2740'. Run tubing AND, RODS AND put on pump for test.

2M Minimum

SJS



CASE I

BLOWOUT PREVENTER HOOKUP